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Datasheet for 009-001-S79S

PARK7 (DJ-1) protein-HIS Epitope

Overview

Description:	PARK7(DJ-1) recombinant protein-HIS Epitope - 009-001-S79S
Item No.:	009-001-S79S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	PARK7 or parkinson protein 7 belongs to the peptidase C56 family of proteins which acts as a positive regulator of androgen receptor-dependent transcription. PARK7 also functions as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. PARK7 mutations that impair transcriptional co-activator function can render dopaminergic neurons vulnerable to apoptosis and may contribute to the pathogenesis of Parkinson disease (1). PARK7 is an atypical peroxiredoxin-like peroxidase that scavenges hydrogen peroxide through oxidation of cys106 (2). PARK7 Protein is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	PARK7, Protien DJ-1, DJ1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	PARK7
Purity/Specificity:	Recombinant human PARK7 (DJ-1) (19-end) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.
Relevant Links:	• NCBI - NM_007262

Application Details

Application Note:	PARK7 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. PARK7 Protein is suitable for use in Western Blot. Expect a band approximately ~22kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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